CATALOGUE FOR WALLS WITH “RESIDUAL” MATERIALS
A compilation of materials, that are considered residual, which can be used for the constructions of the walls of the house.
1m² PLASTIC BOTTLE WALL

**MATERIALS**

- 40 soda bottles of 3/4 liter filled with water or sand.
- Chicken wire plastic

**CONSTRUCCION**

1. Fill the bottle with water or sand
2. Put one board as a stop by each side of the wall every three meters
3. Locate the bottles one by one in a double line.
4. Close the wall with plastic in the outside.
5. The bottles can be cutted on the bottom and fitted one upon the other
1m² PLASTIC BOTTLE

MATERIALS

- **CEMENT**
  - 16.7% cement
- **ADOBE**
  - 66.7% mud
  - 16.7% sand
  - 16.7% straw

APPLICATION

1. Fill the bottle with water or sand
2. Put one board as a stop by each side of the wall every three meters
3. Locate one line of bottles lying side by side.
4. Fill the holes and 2 cm over with cement or adobe.

80 1.5 liter plastic bottles, filled with water or sand.
**1m² GLASS BOTTLE WALL**

**MATERIALS**

- **CEMENT**
  - 16.7% cement
- **ADOBE**
  - 66.7% mud
  - 16.7% sand
  - 16.7% straw
- 156 glass bottles of 3/4 liter filled with water or sand.

**CONSTRUCCION**

1. Fill the bottle with water or sand
2. Put one board as a stop by each side of the wall every three meters
3. Locate one line of bottles lying side by side.
4. Fill the holes and 2 cm over with cement or adobe.

**APPLICATION**

- 0.065 m.
- 0.02 m. joint
1m² PALLET/ADOBE WALL

MATERIALS

sizes:
60*80cm
600*100cm
80*120cm
100*100cm

2x3” pine

wood pieces joints

ADOBE
66,7% mud
16,7% sand
16,7% straw

CONSTRUCCION

1. Join the pallets together with wood pieces

2. Two vertical pole will be introduce in each wall of pallets to secure them.

3. fill the pallets with adobe

APPLICATION
1m² PALLETT WALL

MATERIALS

- 2x3" pine
- fiberglass

sizes:
- 60*80cm
- 600*100cm
- 80*120cm
- 100*100cm

APPLICATION

1. Join the pallets together with wood pieces

2. Fill the pallet with fiberglass

3. Join the pallets together

4. Cover the exterior with some covering: (metal sheet, policarbonate, concrete, adobe)
1m² TIRE WALL

MATERIALS

- **CEMENT**
  - 16.7% cement
- **ADOBE**
  - 66.7% mud
  - 16.7% sand
  - 16.7% straw
- **Tires**
  - 12.5 tires

CONSTRUCCION

1. Align the first line of tires with adobe or concrete in between

2. Two joint vertical poles will be introduce in each wall of pallets to secure them.

3. Fill the holes and 2 cm over with cement or adobe.

APPLICATION
OTHER MATERIALS

ADOBE
66,7% mud  16,7% sand  16,7% straw

CONCRETE
16,7% cement  66,7% sand  16,7% cement